

IN THE CLAIMS

1 Claim 1 (currently amended) A ~~the system of claim 25 further for producing liquid~~
~~compositions, comprising:~~

5 a hopper, ~~having an interior compartment, a first opening for receiving soluble materials~~
~~and a second opening for the passage of the liquid composition away from the~~
hopper;

10 a receiving tank, ~~having an interior compartment, and first and second openings; said~~
~~first opening of said receiving tank being in open communication with said~~
~~second opening of said hopper; said second opening of said receiving tank being~~
~~adapted to discharge the liquid composition from said receiving tank; said~~
~~receiving tank being operatively pivotably movable with respect to said hopper so~~
~~that said receiving tank can be selectively moved between open and closed~~
positions;

15 a solids screen having upper and lower surfaces, operatively pivotably movable with
respect to said hopper and said receiving tank between ~~said second opening the~~
lower end of said hopper and the open upper end of ~~said first opening of said~~
receiving tank; and

20 at least one solids screen retaining pin positioned to selectively secure said solids
screen in a position closely adjacent the second opening of said hopper.

25 Claim 2 (previously presented) The system of claim 1 further comprising at least
one receiving tank retaining pin to selectively secure said receiving tank in its closed
position.

Claim 3 (cancelled)

1 Claim 4 (original) The system of claim 1 further comprising a hydraulic assembly, operatively connected to said receiving tank, to selectively move said receiving tank between said open and closed positions.

5 Claim 5 (currently amended) The system of claim 1 wherein said solids screen is adapted to ~~freely pivot~~ pivotably movable between the ~~second opening lower end~~ of said hopper and the ~~first opening open upper end~~ of said receiving tank ~~to~~ in a manner that selectively provides access to the interior compartments of within said hopper and receiving tank and the upper and lower surfaces of said solids screen for cleaning and
10 maintaining the same.

Claim 6 (currently amended) The system of claim 1 wherein ~~said second opening the lower end~~ of said hopper and ~~said first opening the open upper end~~ of said receiving tank are shaped and sized to be received by ~~the~~ a collection bucket ~~of~~ operatively coupled with a mobile vehicle.
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Claim 7 (previously presented) A system for producing liquid compositions, comprising:

a hopper, having upper and lower ends, inner and outer surfaces, and forward and rearward sides;

20 a receiving tank, having an open upper end, a closed lower end, and forward and rearward sides; said receiving tank having a first opening formed therein adjacent the lower end thereof;

said lower end of said hopper being in open communication with said open upper end of

said receiving tank;

at least one elongated spray bar, having a longitudinal axis, operatively rotatably

mounted in said hopper adjacent the upper end thereof; said spray bar having a

plurality of holes disposed therein to allow fluid to escape therefrom; said spray

bar further being adapted to be selectively rotated about said longitudinal axis to

selectively control the aim of the plurality of holes formed therein; and

a fluid inlet line operatively connected to and in open fluid communication with said

spray bar.

Claim 8 (cancelled)

Claim 9 (previously presented) The system of claim 7 further comprising a motor

operatively connected to said spray bar to selectively automate the rotational movement

of said spray bar.

Claim 10 (cancelled)

Claim 11 (cancelled)

Claim 12 (previously presented) The system of claim 24 wherein said spray bar

is elongated and has opposite ends and a midpoint between said opposite ends, the

diameters of the holes disposed adjacent said midpoint being larger than the diameters

of the holes disposed adjacent the opposite ends of said spray bar.

Claim 13 (previously presented) The system of claim 7 wherein said spray bar is

further comprised of at least one oscillating spray nozzle disposed along the length of

said spray bar.

Claim 14 (cancelled)

1 Claim 15 (previously presented) The system of claim 25 further comprising a
solids screen, having upper and lower surfaces, operatively pivotally movable with
respect to said hopper and said receiving tank.

5 Claim 16 (original) The system of claim 15 further comprising at least one
generally elongated receiving tank retaining pin to selectively secure said receiving tank
in its closed position.

10 Claim 17 (original) The system of claim 16 further comprising at least one
generally elongated solids screen retaining pin to selectively secure said solids screen
in a position closely adjacent said second opening of said hopper.

 Claim 18 (original) The system of claim 17 further comprising a hydraulic
assembly, operatively connected to said receiving tank, to selectively move said
receiving tank between said open and closed positions.

15 Claim 19 (original) The system of claim 15 wherein said solids screen is adapted
to freely pivot between the lower end of said hopper and the upper end of said receiving
tank to selectively provide access to the inner surfaces of said hopper and receiving
tank and the upper and lower surfaces of said solids screen for the cleaning and
maintenance of the same.

20 Claim 20 (previously presented) The system of claim 7 wherein said lower end
of said hopper and said upper end of said receiving tank are shaped and sized to be
received by the collection bucket of a mobile vehicle.

1 Claim 21 (original) The system of claim 7 wherein at least one observation window is formed in the outer surface of the hopper to provide visual access to the interior of the hopper.

5 Claim 22 (original) The system of claim 7 further comprising a float switch operatively connected to the inner surface of said hopper to detect and relay information regarding fluid levels within said hopper.

Claim 23 (previously presented) A system for producing liquid compositions, comprising:

10 a hopper, having upper and lower ends, inner and outer surfaces, and forward and rearward sides;

a receiving tank, having an open upper end, a closed lower end, and forward and rearward sides; said receiving tank having a first opening formed therein adjacent the lower end thereof;

15 said lower end of said hopper being in open communication with said open upper end of said receiving tank;

20 at least one elongated spray bar, having opposite ends and a midpoint between said opposite ends, operatively rotatably mounted in said hopper adjacent the upper end thereof; said spray bar having a plurality of holes disposed therein to allow fluid to escape therefrom; said plurality of holes being disposed along a length of said spray bar in spaced relation to one another so that a distance between the holes proximate the midpoint is smaller than a distance between the holes proximate one of the opposite ends of said spray bar; and

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1 a fluid inlet line operatively connected to and in open fluid communication with said
spray bar.

Claim 24 (previously presented) A system for producing liquid compositions,
comprising:

5 a hopper, having upper and lower ends, inner and outer surfaces, and forward and
rearward sides;

a receiving tank, having an open upper end, a closed lower end, and forward and
rearward sides; said receiving tank having a first opening formed therein adjacent
the lower end thereof;

10 said lower end of said hopper being in open communication with said open upper end of
said receiving tank;

at least one spray bar operatively rotatably mounted in said hopper adjacent the upper
end thereof; said spray bar having a plurality of holes disposed therein to allow
15 fluid to escape therefrom; said plurality of holes being sized to vary in diameter;
and

a fluid inlet line operatively connected to and in open fluid communication with said
spray bar.

20 Claim 25 (previously presented) A system for producing liquid compositions,
comprising:

a hopper, having upper and lower ends, inner and outer surfaces, and forward and
rearward sides;

1 a receiving tank, having an open upper end, a closed lower end, and forward and
rearward sides; said receiving tank having a first opening formed therein adjacent
the lower end thereof; said receiving tank further being operatively pivotally
movable with respect to said hopper so that said receiving tank may be
selectively pivoted between open and closed positions;
5 said lower end of said hopper being in open communication with said open upper end of
said receiving tank;
at least one spray bar operatively rotatably mounted in said hopper adjacent the upper
end thereof; said spray bar having a plurality of holes disposed therein to allow
10 fluid to escape therefrom; and
a fluid inlet line operatively connected to and in open fluid communication with said
spray bar.